

Our Ref: ID 2228
Your Ref:

21 December 2023

Thomas West
DFP Planning Pty Ltd
PO Box 230
Pennant Hills NSW 1715

email: twest@dfpplanning.com.au
CC: shelly.stingmore@one.ses.nsw.gov.au

Dear Tom,

Notification under section 3.10 of the State Environmental Planning Policy (Transport and Infrastructure) 2021 in relation to the proposed Cronulla High School Carpark upgrade

Thank you for the notification under section 3.10 of the *State Environmental Planning Policy (Transport and Infrastructure) 2021* in relation to the proposed upgrade of Cronulla High School Carpark upgrade, Cronulla. It is understood that the proposed works include an extension to an at-grade 31 space car park that will provide for an additional 12 car parking spaces, resulting in a total of 43 spaces.

The NSW State Emergency Service (NSW SES) is the agency responsible for dealing with floods, storms and tsunami in NSW. This role includes, planning for, responding to and coordinating the initial recovery from floods. As such, the NSW SES has an interest in the public safety aspects of the development of flood prone land, particularly the potential for changes to land use to either exacerbate existing flood risk or create new flood risk for communities in NSW.

The NSW SES has reviewed the proposed upgrade and the flood risk information (Woolooware Bay Floodplain Risk Management Study and Plan 2022, Woolooware Bay Catchment Flood Study 2014) available to the NSW SES, and note that although the proposed works are not located within the Probable Maximum Flood (PMF) extent, the nearby roads of Captain Cook Drive and Elouera Road are within the 50% AEP flood extent¹, with Elouera Road becoming impacted by H5 hazard floodwater in a PMF event.² Furthermore, we note that the carpark access is via Bate Bay Road which is prone to flooding during a 1 in 5 year Annual Recurrence Interval (ARI)³ flood event, which may limit vehicle access to the site from the south.

¹ WMAwater, 2022, Woolooware Bay Floodplain Risk Management Study and Plan, Table 11, page 26

² WMAwater, 2022, Woolooware Bay Floodplain Risk Management Study and Plan, Figure B16

³ WMAwater, 2014, Woolooware Bay Catchment Flood Study, Figure 15

Based on this review, the NSW SES provides the following advice:

- **consider** the impact of flood behaviour on the surrounding areas, infrastructure and people using the site, and the impact of flooding on the adjacent roads up to and including the Probable Maximum Flood (PMF) level. This is particularly important as the site is considered of sensitive use, with the school at 31 Bate Bay Road being listed as a vulnerable property within the floodplain.⁴
- **pursue**, if relevant, site design and stormwater management that minimises any risk to the community.
- **ensure** workers and people using the site during and after the upgrades are aware of the flood risk on adjacent roads, for example by using signage.
- **review** and update any existing flood management plan for the school to align with the above considerations.

To provide additional support in doing the above, we recommend visiting online resources which are available to the community on the www.ses.nsw.gov.au website, which include helpful pages such as:

- [Know Your Risk](#) (enter your town or postcode).
- [Local Plans and Guides](#)
- [Flood Storm and Tsunami Plans](#) which includes locally endorsed NSW SES Flood Emergency Sub Plans
- [Emergency Business Continuity Plan](#) online tool which steps you through the process of developing your own Business Emergency Plan.

Please feel free to contact Ana Chitu via email at rra@ses.nsw.gov.au should you wish to discuss any of the matters raised in this correspondence. The NSW SES would also be interested in receiving future correspondence regarding the outcome of this referral via this email address.

Yours sincerely



Claire Flashman
A/Manager Emergency Risk Assessment - Emergency Risk Management
NSW State Emergency Service

⁴ WMAwater, 2022, Woollooware Bay Floodplain Risk Management Study and Plan, Table 9, page 23